



QNa-fac

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

RICHARD C. SALKIE, P.E.
ASSOCIATE DIRECTOR

Mr. Arthur Gusmano - Technical Manager
Pfister Chemical, Inc.
Ridgefield, New Jersey 07657

27 JAN 1986

RE: Pfister Chemicals, Status Determination
Ridgefield, NJD 001 293 216

Dear Mr. Gusmano:

The Bureau of Hazardous Waste Engineering ("the Bureau") has reviewed your facility's file and has found that your company never responded to the Bureau's June 21, 1984 letter. This letter is enclosed for your convenience.

In the aforementioned letter, this Bureau requested that the referenced facility submit information concerning the surface impoundments, so a decision could be made on their status. You were also advised that, until enough information is gathered, submitted to this Bureau and then approved concerning the surface impoundments, your facility would be considered as a hazardous waste TSD facility and would be subject to standards and requirements of surface impoundments.

This Bureau is hereby advising you that the following information shall be submitted to this Bureau within thirty (30) days of the date of this letter:

1. Results of EP Toxicity tests for heavy metals and pesticides.
2. Results of RCRA tests for ignitability, corrosivity and reactivity.
3. Assay for any organic compound which appears to be a constituent of the waste stream (if applicable).
4. Definition of process which produces the waste stream.
5. Estimate of waste stream quantity in a monthly and annual basis.

Should your facility decide to delist the aforementioned surface impoundments, a request has to be submitted to this Bureau. As mentioned earlier, all of this information has to be provided within



Mr. Arthur Gusin

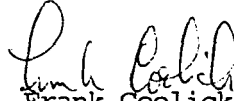
-2-

27 JAN 1986

thirty (30) days of the date of this letter, or this matter will be referred to the Bureau of Compliance and Enforcement for further action.

Should you have any questions concerning the above requirements, please contact Al Navidi at (609) 984-4791.

Very truly yours,



Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

EP12:lk
Attachment
cc: Ken Siet



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

AUG 28 1985

(IN THE MATTER OF)
(PFISTER CHEMICAL, INC.)

ADMINISTRATIVE
ORDER

The following FINDINGS are made and ORDER is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (Department) by N.J.S.A. 13:1D-1 et seq., the Solid Waste Management Act, as amended and supplemented, N.J.S.A. 13:1E-1 et seq., and duly delegated to the Assistant Director for Enforcement and Field Operations, Division of Waste Management, pursuant to N.J.S.A. 13:1B-4.

FINDINGS

- 1) The New Jersey Department of Environmental Protection (hereinafter "the Department") has determined that Pfister Chemical, Inc. is operating a hazardous waste facility (EPA ID #NJDO01293216) as defined by N.J.A.C. 7:26-1.4 and is located at Block 39, Lot 1, Foot of Linden Avenue, Ridgefield Boro, Bergen County, New Jersey.
- 2) As a result of the information included in your company's RCRA Part A submittal to the USEPA, Region II, your hazardous waste activities were classified as a TSD (Treatment, Storage or Disposal) facility status. Pursuant to the provisions of the New Jersey Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., the Department of Environmental Protection has determined by examination of our files that you failed to submit a 1984 TSD Facility Annual Report by March 1, 1985, in violation of N.J.A.C. 7:26-7.6(f)2.
- 3) N.J.A.C. 7:26-7.6(f)2 states: The owner or operator must prepare and submit two copies of an annual report to the Department by March 1 of each year. The report must include:
 - i. The EPA identification number, name and address of the facility.
 - ii. The calendar year cover by the report.

- iii. A compilation of the daily operating record kept pursuant to N.J.A.C. 7:26-9.1 et seq. for the calendar year covered by the report.
- iv. A summary of all manifest numbers for all hazardous waste received, identifying those shipments which were rejected in whole or in part and identifying those shipments where a discrepancy occurred.
- v. For each type of hazardous waste accepted, a report of the total quantity received and the quantities consigned to each treatment, recovery, or disposal process used. The report shall include the quantities of each waste type placed into storage and removed from storage during the reporting period.
- vi. Monitoring data under N.J.A.C. 7:14A-6.1 et seq. (Rules of the Division of Water Resources), where required.
- vii. The most recent closure cost estimate under N.J.A.C. 7:26-9.8 and the most recent post-closure cost estimate under N.J.A.C. 7:26-9.9, where applicable.
- viii. A certification signed and dated by the owner or operator of the facility or his authorized representative stating "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete, I am aware that there are significant penalties under N.J.S.A. 7:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment."

ORDER

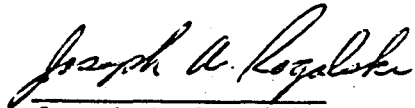
NOW, THEREFORE, IT IS HEREBY ORDERED that Pfister Chemical, Inc., its principals, agents, employees, successors, assigns, tenants, and any receiver or trustee in bankruptcy appointed pursuant to a proceeding in law or equity, (should such an entity be appointed to take control of the facility which is the subject of this Order) shall:

- 4) Within fifteen (15) calendar days of receipt of this Order submit the required 1984 TSD annual report to:

Attachment A2

New Jersey Department of Environmental Protection
Division of Waste Management
Bureau of Compliance & Enforcement
120 Route 156
Yardville, NJ 06820
Attention: Dina DiMarsico

BE ON NOTICE that the maximum civil penalty for violations of the
Solid Waste Management Act or an ORDER issued pursuant thereto is
\$25,000 per day.



Joseph A. Rogalski
Assistant Director

F01:F014:F026:lmc

Attachment A3

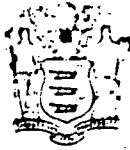


Pfister Chemical Inc.
Linden Avenue
Ridgefield, Bergen Co.
New Jersey



Unit
Ju

Plister Chemical Inc.
Ridgefield, Bergen Co.
USGS Quad Map
Weehawken, NJ-NY
Scale 1:24000
Lat: 40° 50' 33"
Long: 74° 00' 33"



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT

120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

Mr. Edward O'Connor
Vice President
Pfister Chemical Inc.
Foot of Linden Avenue
Ridgefield, NJ 07657

RE: NOTICE OF VIOLATION
FAILURE TO ESTABLISH FINANCIAL ASSURANCE FOR CLOSURE
AND POST-CLOSURE
EPA ID #NJD001293216

Dear Mr. O'Connor:

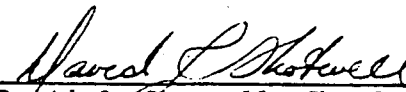
Pursuant to the provisions of the New Jersey Solid Waste Management Act, N.J.S.A. 13:1E-1, et seq., the Department of Environmental Protection has determined by examination of our files that you violated N.J.A.C. 7:26-9.10(e) and 9.11(c) in that you have failed to establish, and/or submit to the Department, financial assurance for closure and post-closure of the facility.

NOW, THEREFORE, YOU ARE HEREBY NOTIFIED that your facility shall submit the required financial assurance documents within thirty (30) days of receipt of this Notice to: Mr. Frank Coolick, Bureau of Hazardous Waste Engineering, 32 East Hanover Street, Trenton, New Jersey 08625.

BE ON NOTICE that the Solid Waste Management Act establishes penalties of up to \$25,000 per day for violation of the Department's hazardous waste management regulations. Your failure to correct the above violation will result in a penalty action by this Department up to the maximum allowed pursuant to law.

If you have any questions regarding the documents to be submitted, please call the Bureau of Hazardous Waste Engineering at (609) 292-9880. If you have any questions regarding this Notice, please call John Barry of the Bureau of Compliance and Enforcement at (609) 984-3695.

DATE: SEP 21 1984


David J. Shotwell, Chief
Bureau of Compliance
and Enforcement



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E.
DIRECTOR

LINO F. PEREIRA, P.E.
DEPUTY DIRECTOR

21 JUN 1984

Arthur F. Gusmano, Technical Director
Pfister Chemical Inc.
Ridgefield, New Jersey 07657

RE: Status under NJDEP Regulations of Surface Impoundment listed as Hazardous Waste Facilities on the original USEPA RCRA Part A Application for Pfister Chemical Inc., Ridgefield, EPA ID NO. NJD001293216

Dear Mr. Gusmano:

The Bureau of Hazardous Waste Engineering has reviewed its records on the above referenced facility, and finds that the original RCRA Part A application filed by your company with the USEPA in 1980 listed a hazardous waste surface impoundment activity. The Bureau also finds that your company has made a subsequent claim to the USEPA requesting exclusion of the surface impoundment activity from hazardous waste facility regulation under RCRA on the basis that the surface impoundment(s) in question are not used for the management of hazardous wastes.

You are hereby advised that, as a result of your company's original RCRA Part A application, the referenced facility has been classified by the NJDEP as a hazardous waste facility subject to NJDEP regulations therefor, including the regulations of the Division of Waste Management under N.J.A.C. 7:26-9.1 through N.J.A.C. 7:26-12.1 et seq. and/or the regulations of the Division of Water Resources under N.J.A.C. 7:14A-4.1 et seq. As a hazardous waste facility involving surface impoundment(s) for the management of hazardous wastes, the referenced facility would be subject to the standards and requirements for hazardous waste surface impoundments recently adopted by the NJDEP under N.J.A.C. 7:26-10.6 and N.J.A.C. 7:26-12.2(f), as well as the requirements for financial assurance of closure and contingent post-closure care and liability insurance for non-sudden accidental occurrences arising from operations of the facility pursuant to N.J.A.C. 7:26-9.10, 9.11, and 9.13, respectively.

21 JUN 1984

You are also hereby advised that should your company seek exclusion from these NJDEP regulations for the subject surface impoundment(s) at the referenced facility on the basis that the wastes managed in said impoundment(s) are not hazardous wastes as defined under NJDEP regulations, then your company should submit the following information regarding the subject wastes to the NJDEP for review and proper classification of said wastes:

1. Results of EP toxicity tests for heavy metals and pesticides
2. Results of RCRA tests for ignitability, corrosivity and reactivity
3. Assay for any organic compound which appears to be a constituent of the wastestream (if applicable)

(The above testing (items 1, 2, and 3) must be done at a state certified laboratory).

4. Description of process which produces the wastestream
5. Estimate of wastestream quantity on a monthly and annual basis.

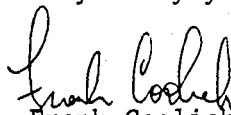
This waste declassification request and data should be submitted to:

Shirlee Schiffman, Assistant Chief
Bureau of Hazardous Waste Classification and Manifest
Division of Waste Management
32 East Hanover Street
Trenton, New Jersey 08625

Should you have any questions on the waste classification procedures, you should call Ms. Schiffman at (609) 292-8341.

You are also advised that the deadlines specified under N.J.A.C. 7:26-9.13 for documentation of liability insurance for non-sudden and accidental occurrences have expired, and to date, your company has not complied with these requirements. The Bureau of Hazardous Waste Engineering will hold this matter in abeyance for thirty (30) days from the date of this letter, pending your company's submission of a proper NJDEP waste declassification request as described above. Should you have any questions on this matter, please call this office at (609) 292-9880.

Very truly yours,



Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

EP8/ch

c: Shirlee Schiffman

Chion

Dick White Through Peter Lynch, Region I Enforcement

MAY 7 1982

Peter Sugarman Through John Trela and Raig Kasabach,
Bureau of Ground Water Management

Pfister Chemical Company, Ridgefield - Bergen County

1. On April 21, 1982 I conducted a site visit to the above-cited facility at the request of Region I Enforcement. The original request was for pollution analyses. Present at the site were Dick White from Region I and Arthur P. Gusmano and Richard Braun from Pfister Chemical Company.
2. Pfister Chemical is situated to the east and immediately adjacent to Overpeck Creek, a tributary of the Hackensack River. The company manufactures organic chemical intermediates and pigments for the textile industry.
3. There are two lagoons located on the site. Lagoon number 1 is used for plant process cooling water. Lagoon number 2 was used for pre-treatment of process wastewater, including scrubber wastewater from fourteen air scrubbers. At the present time Lagoon number 2 is not in operation due to a cutback in plant production and a resulting cutback in process wastewater. Process wastewater was originally about 500,000 gallons per day and has been reduced to 200,000-250,000 gallons per day. All process wastewater now flows to the Bergen County MUA. Mr. Gusmano indicated at the present time that the lagoon would probably not be used anymore.
4. Four water supply wells have been drilled on-site. The Brunswick Formation is mapped on the site and lies 55-63 feet below the surface according to the driller's logs. The unconsolidated material situated above the Brunswick can be described according to the driller's log and the U.S.G.S. Hackensack River Basin Report as the following:

<u>DEPTH</u>	<u>LITHOLOGY</u>
0-10	Fill (and organic material)
10-40	Clay (probably varved silts and clay)
40-55	Sand and gravel (Till)

Static water level below the land surface varied between 7 and 17 feet in the four wells. Soils mapped on the site are tidal marsh deposits.

INITIAL RECOMMENDATIONS

Pfister Chemical should be required to apply for a NJPDES permit for their cooling lagoon (lagoon number 1). As part of their permit, one monitor wells should be installed between the lagoon and Overpeck Creek and screened 15 feet into the static water table. The parameters to be sampled for in their NJPDES permit will be determined from the results of the water quality analysis on the cooling water in the lagoon and the effluent from the outfall pipe to the lagoon. The water samples should be analyzed for all of the parameters outlined in the NJPDES application.

Attachment C

6. Pfister chemical must submit a statement indicating their intentions concerning lagoon number 2. If they intend on discontinuing the use of this lagoon they must submit a closure plan to the Department containing the following as a minimum: a) the installation of 2 monitor wells to determine if any ground water degradation has occurred in the area of the process lagoon. These wells should be constructed according to Department specifications and screened 15 feet below the static water table. Approximate locations of these wells are shown on the attached diagram. These two wells should be sampled for volatile organics with a GC/MS scan, metals, Total Dissolved Solids (TDS), pH, and Chemical Oxygen Demand (COD); and b) the analysis of the sludge using the EP Toxicity test to determine if this material should be classified as a hazardous waste and consequently removed from the site and sent to a suitable landfill.

If Pfister decides to continue to use this lagoon they must file for a NJPDES permit. As part of this permit the two wells would be required, as would chemical analysis of the soils using the EP Toxicity test.

NOM94:1jp

cc: William Althoff
Richard Bellis

Attachment 2

MEMO

NEW JERSEY STATE DEPARTMENT

ENVIRONMENTAL PROTECTION

TO Edward Stevenson, Manager, Industrial Investigation Unit
Office of Science and Research
Thomas McKee through Robert Plumb, Assistant Chief
FROM Metro Region, Enforcement, Division of Water Res. DATE October 26, 1983
SUBJECT Pfister Chemicals, Inc., Ridgefield, Bergen County
Dioxin Testing

Pfister Chemical is a manufacturer of chemical intermediates used by the dye and pigment industries. For the past thirty (30) years a 2.5 acre unlined lagoon has been used by Pfister for pre-treatment (neutralization) of its process wastewaters. The lagoon is presently not in use. An estimated 5000 to 10000 cubic yards of a purple colored chemical sludge has accumulated in the lagoons. The results of limited analyses conducted by DWR (attached) revealed that the sludge contains high levels of xylene and other volatile organic chemicals. Additional analyses are necessary to characterize the sludge so that an informed decision on proper disposal of this material can be made. In the 1980 EPA report on dioxins two of the chemicals formerly produced by Pfister were listed as Class II organics, the manufacture of which involves reaction conditions which are conducive to the formation of dioxins.

DWR has taken enforcement action against Pfister to assure proper closure of the lagoon (copies enclosed). In order to proceed with the case information on possible dioxin contamination of the chemical sludge is needed. The assistance of the Office of Science and Research in obtaining information on the dioxin content of the sludge is hereby requested. Please advise this office of any pertinent information obtained from the company. For further information or coordination of upcoming activities please call the writer at (201) 648-2200.

E22:G25

Enclosure

Attachment B

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Water Resources
Pollution Control Monitoring,
Surveillance and Enforcement Element

PHONE CALL

REPORT OF:

VISIT

In ☒ Out ☐

File Pfister

Date 1-12-83

Routing SP, PL

Time _____

Person Contacted Art Gusmano

Phone # 945-5400

Affiliation Pfister Chemical

Subject of Call EPA Letter on waste lagoon
Visit

Summary of Call Art has received letter
Visit

from EPA on waste lagoon. Based on analysis provided by Pfister and DEP EPA has determined that the waste lagoon as a hazardous waste management unit, subject to RCRA. Under RCRA Pfister has two options, (1) remove all hazardous waste from lagoon or (2) provide post closure care. Post closure care is a 30 year program of g.w. monitoring, reporting

and maintaining of cover and control systems on the site. Mr. Gusmano would like to get EPA "off his back" and let the state handle his case under the terms of our original directive.

Signature

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Division of Water Resources
Pollution Control Monitoring,
Surveillance and Enforcement Element

PHONE CALL

REPORT OF:

VISIT

1 Out ✓

File _____

Date 6-15-82

Routing _____

Time 9:30

Person Contacted Arthur Gusmano

Phone # 945-5400

Affiliation Pfister Chemical

Subject of Call Sampling of sludge in process waste lagoons
Visit

Summary of Call Pfister chemical has used the unlined
Visit lagoons on its Ridgefield site for the past 30 years.
process wastes including filtrate from chemical
separation operation and scrubber water from
air pollution control devices.

The lagoons are presently not in use
and filled to within 1' to 2' of capacity
with a purple colored chemical sludge.
Depth of the sludge is estimated to be 2' to 10'.
The amount of sludge is estimated to be
between 5,000 and 10,000 cubic yards.

Mr. Gusmano has stated his intention

Action Recommended to bury the lagoon or continue to
use it but would like to be in compliance
with applicable regs.

Samples of sludge were taken from
sites indicated on attached map.

Signature

will be analyzed for V.O and Metals by E.P. Toxicity.

MEMOTO Peter Lynch through Robert PlumbFROM Thomas McKeeDATE December 1, 1982SUBJECT Pfister Chemical *T.M.*

On November 22, 1982, a meeting was held between representatives of Pfister Chemical, Incorporated (Pfister) and the Region I Enforcement Element. The purpose of the meeting was to discuss the regulatory requirements applicable to Pfister's wastewater management systems. The following is a list of attendance:

Richard Sullivan.....NJ First Inc., Consultant for Pfister
Peter Lynch.....Chief - Region I
Robert Plumb.....Assistant Chief - Region I
Thomas McKee.....Environmental Specialist - Region I

The following areas of permitting and monitoring requirements were discussed in regard to Pfister's Ridgefield facility:

1. SIU Permits-

Pfister is presently discharging approximately 200,000 gpd to the Bergen County Utilities Authority (BCUA). Under present regulations Pfister would be required to file for an SIU by March of 1983. According to William Boehle of the Industrial Pretreatment Section, under proposed changes to the regulations (N.J.A.C. 7:14A-13), which are expected to be adopted in January of 1983, BCUA would be enforcing pretreatment requirements and no NJPDES permit would be required. The Bureau of Industrial Waste Management has notified companies discharging to sewer authorities with approved pretreatment programs of the proposed changes in the regulations and advised them not to file for SIU permits.

2. Discharge To Ground Water Permit (DGW)-

Pfister has two surface impoundments. One is used for recycling non-contact cooling water and the other, no longer in use, was used for pretreatment of process wastewater before discharge to BCUA. Mr. Sullivan questioned the need for permitting and monitoring of the

cooling water lagoon. The water for cooling is diverted from the adjacent Overpeck Creek and its quality may not be significantly different from water in the Creek after its use by Pfister. Sandra Roth of the Bureau of Ground Water Management's ground water discharge permits section, reports that exemptions for cooling water lagoons have been granted. Decisions are made on a case by case basis. Some companies have been granted "easy" permits with no requirements for monitoring wells and only periodic effluent analysis. Other companies have received "no action" letters which exempts them from any requirements under NJPDES. Sandra suggested that Pfister submit a letter to BGWM's permit section requesting a determination on requirements for the cooling water lagoon. An analysis of the discharge to the lagoon should be submitted with the letter.

Regarding the deactivated surface impoundments that was used for process wastes it was agreed that a determination would have to be made whether the sludge remaining in the lagoon is a hazardous waste in order to determine which regulations are applicable. If the sludge is a hazardous waste, Pfister will be subject to RCRA requirements for ground water monitoring. If the sludge is a non-hazardous waste, Section 6.7 of NJPDES will apply which also requires ground water monitoring.

Analytical reports of sludge samples have been sent to the Division of Waste Management's technical assistance group to determine whether it is hazardous waste. Pfister will probably be required to do more testing in order for technical assistance to make its determination.

E22:G25

PLEASE TYPE OR PRINT
WITH BALLPOINT PEN

STATE OF NEW JERSEY
Department of Environmental Protection
Division of Water Resources
WATER ANALYSIS

-CHAIN OF CUSTODY-

MUNICIPALITY Ridgefield	COUNTY Bergen	STREAM
FACILITY Pfister Chemical	LOCATION Rt. 46	RECEIVED
REPRESENTATIVE Arthur Gusmano	TITLE Technical Director	COLL NAME McKee
REMARKS Sample site #1, solids from bottom depth \approx 1 ft	SEP 16 1988	

BACT. LAB NO.	_____
DATE REC'D.	_____
BOTTLE NO.	<u>10171</u>
DATE REC'D.	_____
STORET	ENT. _____
	READ _____

STATION IDENTIFICATION NUMBER.

DIV. WATERMO. DAY 11 HOUR 11

[illegible]

FIELD ANALYSIS

<input type="checkbox"/> Water Temp °C	P10,						
<input type="checkbox"/> D.O.-Winkler	P300,						
<input type="checkbox"/> D.O.-Probe	P299,						
<input type="checkbox"/> p ^H (Field)	P400,						
<input type="checkbox"/> Sample Depth-ft.	P3,						
<input type="checkbox"/> Gage Height-ft.	P65,						
<input type="checkbox"/> Spec. Cond. @ 25°C	P95,						
<input type="checkbox"/> Salinity ‰	P480,						
<input type="checkbox"/> Tide Stage	P70211,						

ANALYSIS

- ☒ V.O. scan ppb
- ☐ trichloroethylene
- ☐ benzene
- ☐ toluene
- ☐ chlorobenzene
- ☐ styrene
- ☐ n-propylbenzene
- ☐ tert-butylbenzene
- ☐ 1,3,5 trimethylbenzene
- ☐ p-cymene
- ☐ p-dichlorobenzene
- ☐ hexachlorobutadiene
- ☐ 1,2,3 trichlorobenzene
- ☐ + numerous
- ☐ unidentified peaks
- ☐ EP
- ☐ Extraction procedure
- ☒ silver ppb
- ☒ selenium
- ☒ mercury
- ☒ lead
- ☒ chromium T
- ☒ cadmium
- ☒ bismuth cancelled 8-27-82 J.S.
- ☒ arsenic

UNITS

PARAMETER

VALUE

RMKS.

[illegible]

BACTERIOLOGICAL - DILUTIONS (REQUESTED)

Fecal Coliform			-1	-2	-3	-4	-5	-6
Total Coliform	10	1	10	10	10	10	10	10
Fecal Streptococci	10	1	10	10	10	10	10	10

Fecal coli /100 ml ☐ MPN P31615, ☐ MF P31613,

--	--	--	--	--	--

☐ Fecal Strept
MPN
/100 ml

P31677.

--	--	--	--	--	--

<input type="checkbox"/> Tot coll MPN /100 ml	P31505,						

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) _____ SAMPLE
SEED YES ☐ NO ☐

CONC. %			
BOD			

☐ BOD ☐ 5-DAY P310.
☐ 6-DAY P312.

DATE _____

TIME

CHAIN OF CUSTODY
FROM (NAME)

REPORT ^{TO INAD} SUBMITTED

SEP 9 1982

NJDOH Environmental
Chemistry Laboratory

Chemist Review

Part 1(White) - Water Quality Inventory Copy
Part 2(Green) - Chemistry Copy

Part 3(Pink) - Water Resources Copy(For Transmission),
Part 4(Yellow) - Bacteriology Copy

Attachment D,

2/79

PLEASE TYPE OR PRINT
WITH BALLPOINT PEN

STATE OF NEW JERSEY
Department of Environmental Protection
Division of Water Resources

WATER ANALYSIS

4.1-1 CHAIN OF CUSTODY

MUNICIPALITY <i>Ridgefield</i>	COUNTY <i>Bergen</i>	STREAM
FACILITY <i>Pfister Chemical</i>	LOCATION <i>At 46</i>	RECEIVED <i>SEP 16 1990</i>
REPRESENTATIVE <i>Arthur Gusmano</i>	TITLE <i>Technical Director</i>	COLL NAME <i>McKee</i>
REMARKS <i>Sample site #2</i> <i>199009. depth ~ 1 ft.</i>	<i>solids from</i>	

BACT. LAB NO.	_____
DATE REC'D.	_____
BOTTLE NO.	<u>10172</u>
DATE REC'D.	_____
STORET ENT.	_____
READ	_____

STATION IDENTIFICATION NUMBER

YR.	MO.	DAY	CE	HOUR
-----	-----	-----	----	------

[illegible]

FIELD ANALYSIS

<input type="checkbox"/> Water Temp °C	P10,					
<input type="checkbox"/> D.O.-Winkler	P300,					
<input type="checkbox"/> D.O.-Probe	P299,					
<input type="checkbox"/> pH (Field)	P400,					
<input type="checkbox"/> Sample Depth-ft.	P3,					
<input type="checkbox"/> Gage Height-ft.	P65,					
<input type="checkbox"/> Spec. Cond. @ 25 °C	P95,					
<input type="checkbox"/> Salinity ‰	P480,					
<input type="checkbox"/> Tide Stage	P70211,					

BACTERIOLOGICAL - DILUTIONS (REQUESTED)

Fecal Coliform		-1	-2	-3	-4	-5	-6
Total Coliform	10	1	10	10	10	10	10

Fecal Streptococci		-1	-2	-3	-4	-5	-6
	10	1	10	10	10	10	10

☐ MPN P31615,

☐ MF P31613,

☐ Fecal Strept MPN /100 ml P31677,

☐ Tot coli MPN /100 ml P31505,

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) _____ SAMPLE
SEED YES ☐ NO ☐

CONC. %			
BOD			

☐ BOD ☐ 5-DAY P310,

--	--	--	--	--	--

☐ 6-DAY P312,

--	--	--	--	--	--

ANALYSIS

UNITS

PARAMETER

VALUE

BMKS

- ☒ V.O. Scan ppb
- ☐ Trichloroethylene
- ☐ Tetrachloroethylene
- ☐ m-xylene
- ☐ chlorobenzene
- ☐ cumene
- ☐ sec-butyl benzene
- ☐ 1,3,5 trimethyl benzene
- ☐ 1,2,4 trimethyl benzene
- ☐ 1,2,4 trichlorobenzene
- ☐ Naphthalene
- ☐ 1,2,3 trichlorobenzene
- ☐ + NUMEROUS
- ☐ unidentified peak
- ☐
- ☐
- ☐ E.P. Extraction ppb
- ☒ silver
- ☒ selenium
- ☒ mercury
- ☒ lead
- ☒ chromium T
- ☒ cadmium
- ☒ barium concentrated
8.2.1.2 J. Sell
- ☒ arsenic

[illegible]

DATE _____

TIME

CHAIN OF CUSTODY
FROM (NAME)

REPORT SUBMITTED

~~SEP~~ 9 1982

~~NJDOH Environmental
Chemistry Laboratory~~

Chemist Review

Part 1(White) - Water Quality Inventory Copy Part 3(Pink) - Water Resources Copy(For Transmission)

Attachment N2

BACT. LAB NO. _____
DATE REC'D. _____
BOTTLE NO. 10173
DATE REC'D. _____
STOR ET ENT. _____
READ _____

MUNICIPALITY <i>Ridgefield</i>	COUNTY <i>Bergen</i>	STREAM
FACILITY <i>Pfister Chemical</i>	LOCATION <i>Rt. 46</i>	
REPRESENTATIVE <i>Arthur Gusmano</i>	TITLE <i>Technical Director</i>	COLL NAME <i>J. McKee</i>
REMARKS <i>Sample site #3, Sep 15 1990 1950m depth = 1 ft.</i>		

STATION IDENTIFICATION NUMBER

~~NJ~~ ~~VR.~~ ~~MO.~~ ~~DAY~~ ~~HOUR~~

S	C,													,	820MSE	1130.
---	----	--	--	--	--	--	--	--	--	--	--	--	--	---	--------	-------

S	A	m	p	L	E	H	/	0	/	7	3
---	---	---	---	---	---	---	---	---	---	---	---

FIELD ANALYSIS

- | | | | | | | | |
|---|---------|--|--|--|--|--|--|
| <input type="checkbox"/> Water Temp °C | P10, | | | | | | |
| <input type="checkbox"/> D.O.-Winkler | P300, | | | | | | |
| <input type="checkbox"/> D.O.-Probe | P299, | | | | | | |
| <input type="checkbox"/> p ^H (Field) | P400, | | | | | | |
| <input type="checkbox"/> Sample Depth-ft. | P3, | | | | | | |
| <input type="checkbox"/> Gage Height-ft. | P65, | | | | | | |
| <input type="checkbox"/> Spec. Cond.
@ 25°C | P95, | | | | | | |
| <input type="checkbox"/> Salinity ‰ | P480, | | | | | | |
| <input type="checkbox"/> Tide Stage | P70211, | | | | | | |

BACTERIOLOGICAL - DILUTIONS (REQUESTED)

Fecal Coliform			-1	-2	-3	-4	-5	-6
Total Coliform	10	1	10	10	10	10	10	10

Fecal Streptococci	10	1	10	10	10	10	10	10
--------------------	----	---	----	----	----	----	----	----

Fecal coli	<input type="checkbox"/> MPN	P31615,					
/100 ml	<input type="checkbox"/> MF	P31613,					

☐ Fecal Strept
MPN
/100 ml

P31677,

--	--	--	--	--	--

☐ Tot coli
MPN /100 ml

P31505,

--	--	--	--	--

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) _____ SAMPLE

SEED YES ☐ NO ☐

CONC. %			
800			

☐ BOD ☐ 5-DAY P310,

--	--	--	--	--	--

☐ 6-DAY P312,

--	--	--	--	--	--

ANALYSIS

UNITS

PARAMETER

VALUE

RMKS

- ☒ V.O. Scan ppb
- ☐
- ☐ 1,2 dichloroethane
- ☐ trichloroethylene
- ☐ benzene
- ☐ Toluene
- ☐ p-xylene
- ☐ chlorobenzene
- ☐ Styrene
- ☐ p-cymene
- ☐
- ☐ numerous
- ☐ unidentified peaks
- ☐
- ☐
- ☐
- ☒ E.P. extraction ppb
- ☒ silver
- ☒ selenium
- ☒ mercury
- ☒ lead
- ☒ chromium T
- ☒ cadmium
- ☒ boron concentrated 8-27-82 J.Sel
- ☒ arsenic

[illegible]

DATE _____

TIME

CHAIN OF CUSTODY
FROM (NAME)

REPORT TO SUBMITTED

~~SEP 9 1982~~

~~NJDOH Environmental
Chemistry Laboratory~~

Chemist Review

Part 1(White) - Water Quality Inventory Copy
Part 2(Green) - Chemistry Copy

Part 3 (Pink) - Water Resources Copy (For Transmission)
Part 4 (Yellow) - Bacteriology Copy

Attachment D3

**PLEASE TYPE OR PRINT
WITH BALLPOINT PEN**

WATER ANALYSIS

MUNICIPALITY <i>Kidderfield</i>	COUNTY <i>Bergen</i>	STREAM
FACILITY <i>Hydrex Chemical Inc.</i>	LOCATION <i>At 46 East</i>	
REPRESENTATIVE <i>A. Cunningham</i>	TITLE <i>Technical Op.</i>	COLL NAME <i>M. L. C.</i>
REMARKS <i>water sample from production well # 2</i>		

FACT. LAB NO.	_____
DATE REC'D.	_____
BOTTLE NO.	<u>18365</u>
DATE REC'D.	_____
STORET	ENT. _____
	READ _____

STATION IDENTIFICATION NUMBER

YR. MO. DAY

HOUR

[illegible]

FIELD ANALYSIS

<input type="checkbox"/> Water Temp °C	P10,								
<input type="checkbox"/> D.O.-Winkler	P300,								
<input type="checkbox"/> D.O.-Probe	P299,								
<input type="checkbox"/> pH ^H (Field)	P400,								
<input type="checkbox"/> Sample Depth-ft.	P3,								
<input type="checkbox"/> Gage Height-ft.	P65,								
<input type="checkbox"/> Spec. Cond. @ 25°C	P95,								
<input type="checkbox"/> Salinity ‰	P480,								
<input type="checkbox"/> Tide Stage	P70211,								

BACTERIOLOGICAL - DILUTIONS (REQUESTED)

Fecal Coliform			.1	.2	.3	.4	.5	.6
Total Coliform	10	1	10	10	10	10	10	10
Fecal Streptococci	10	1	.1	.2	.3	.4	.5	.6
	10	1	10	10	10	10	10	10

Fecal coli ☐ MPN P31615, ☐ MF P31613,

--	--	--	--	--	--

☐ Fecal Strept
MPN
/100 ml

P31677.

--	--	--	--	--

☐ Tot coll
MPN
/100 ml

P31505,

--	--	--	--	--

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) _____ SAMPLE

SEED YES ☐ NO ☐

CONC. %			
800			

☐ BOD ☐ 5-DAY P310,

--	--	--	--	--	--

☐ 6-DAY P312,

--	--	--	--	--	--

ANALYSIS

UNITS

PARAMETER

VALUE**RMKS.**[illegible]

RECEIVED

DEC 28 1982

DEPT. ENVIRONMENTAL PROTECTION
NEWARK OFFICE

DATE _____

TIME

**CHAIN OF CUSTODY
FROM (NAME)**

TO (NAME)

Chemist Review

Part 1(White) - Water Quality Inventory Copy Part 3(Pink) - Water Resources Copy(For Transmission),
Part 2(Green) - Chemistry Copy Part 4(Yellow) - Bacteriology Copy

Attachment No.

WATER ANALYSIS

MUNICIPALITY <i>Billerica</i>	COUNTY <i>Bergon</i>	STREAM
FACILITY <i>Water Chemical Tr</i>	LOCATION <i>Rt 46 East</i>	
REPRESENTATIVE <i>A. Gersano</i>	TITLE <i>Technical Director</i>	COLL NAME <i>T. McKee</i>
REMARKS <i>Water sample from production well #2</i>		

BACT. LAB NO. _____
DATE REC'D. _____
BOTTLE NO. 18366
DATE REC'D. _____
STORET ENT. _____
READ _____

HOUR

[illegible][illegible]

RMKS.

- | | | | | | | | | | |
|---|---------|--|--|--|--|--|--|--|--|
| <input type="checkbox"/> Water Temp °C | P10, | | | | | | | | |
| <input type="checkbox"/> D.O.-Winkler | P300, | | | | | | | | |
| <input type="checkbox"/> D.O.-Probe | P299, | | | | | | | | |
| <input type="checkbox"/> p ^H (Field) | P400, | | | | | | | | |
| <input type="checkbox"/> Sample Depth-ft. | P3, | | | | | | | | |
| <input type="checkbox"/> Gage Height-ft. | P65, | | | | | | | | |
| <input type="checkbox"/> Spec. Cond.
@ 25 °C | P95, | | | | | | | | |
| <input type="checkbox"/> Salinity ‰/00 | P480, | | | | | | | | |
| <input type="checkbox"/> Tide Stage | P70211, | | | | | | | | |

Fecal Coliform			-1	-2	-3	-4	-5	-6
Total Coliform	10	1	10	10	10	10	10	10

Fecal Streptococci	10	1	- 1 10	- 2 10	- 3 10	- 4 10	- 5 10	- 6 10
--------------------	----	---	-----------	-----------	-----------	-----------	-----------	-----------

Fecal coli /100 ml

☐ MPN P31615,

☐ MF P31613,

--	--	--	--	--	--

☐ Fecal Strept
MPN /100 ml

☐ Tot coll
MPN /100 ml

INITIAL D.O. (lab.) _____ SAMPLE

SEED YES ☐ NO ☐

CONC. %			
BOD			

☐ BOD ☐ 5-DAY P310,
☐ 6-DAY P312,

☒ V O scan ppb

☐

☐ 1,2 dichloroethane

☐ 1,2 dichloroethane

☐ trichloroethylene

☐ tetrachloroethylene

☐ chlorobenzene

☐

☒ 1 unidentified peak

[illegible][illegible]

RECEIVED

DEC	28	1982
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DEPT. ENVIRONMENTAL PROTECTION
NEWARK OFFICE

DATE _____

TIME

**CHAIN OF CUSTODY
FROM (NAME)**

TO (NAME)

Chemist Review

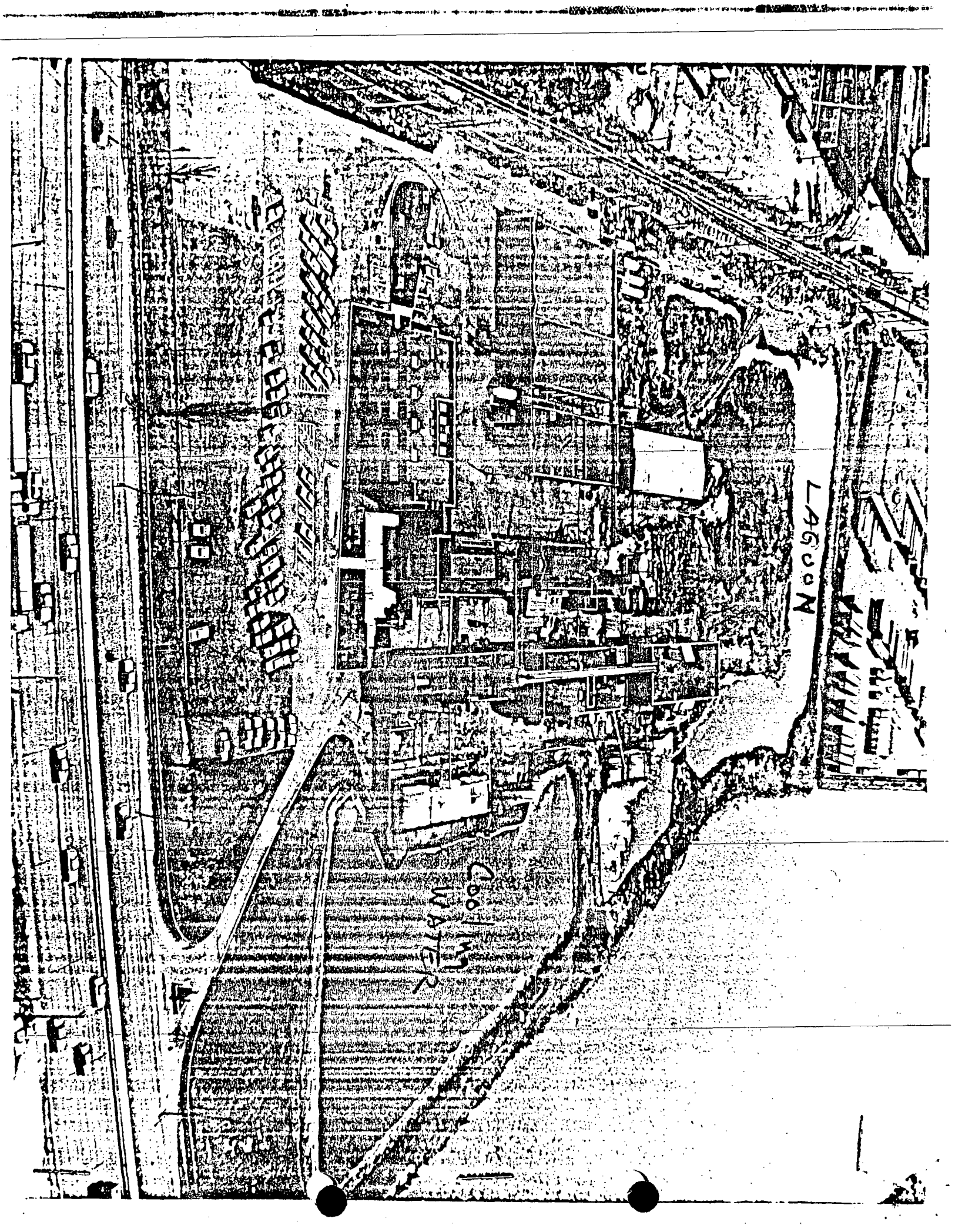
Part 1(White) - Water Quality Inventory Copy

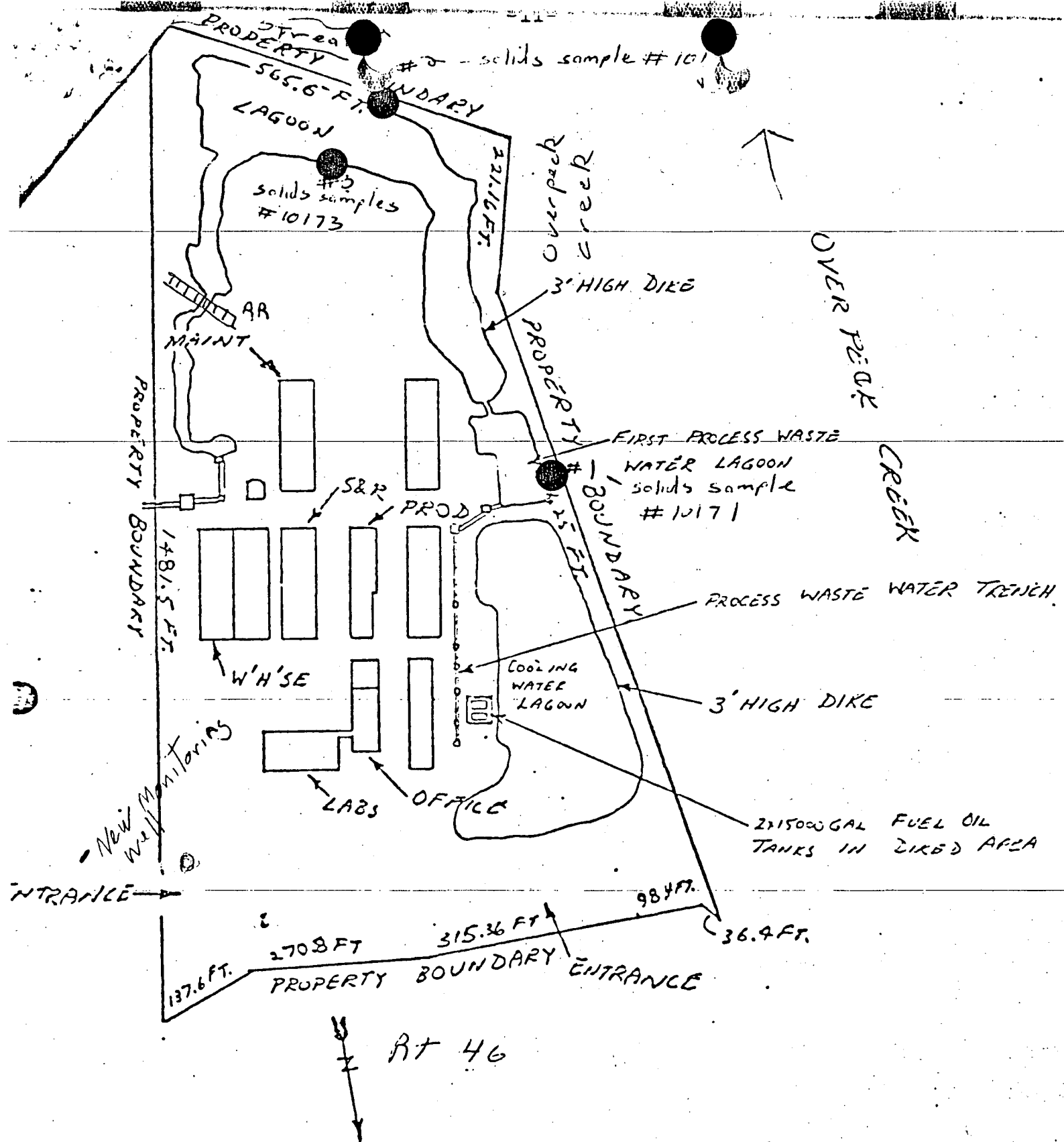
Part 3 (Pink) - Water Resources Copy (For Transmission),

Part 2(Green) - Chemistry Copy

Part 4 (Yellow) - Bacteriology Copy

Attachment Dc-





● solid samples taken from process waste
1/15/80 6-15-80
depth $\approx 1.5'$

SCALE: 1 INCH = 200 FEET